

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
6 May 2004 (06.05.2004)

PCT

(10) International Publication Number
WO 2004/037916 A2

(51) International Patent Classification⁷: C08L 23/00

(21) International Application Number:
PCT/CA2003/001599

(22) International Filing Date: 21 October 2003 (21.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2,409,580 22 October 2002 (22.10.2002) CA
2,423,078 21 March 2003 (21.03.2003) CA

(71) Applicant (for all designated States except US): E.I. DU PONT DE NEMOURS AND COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): DHARIA, Amitkumar, N. [IN/US]; 387 Graham Drive, Coppell, TX 75019 (US). FARKAS, Nicholas, A. [CA/CA]; P.O. Box 198, 943 Ellen Avenue, Glenburnie, Ontario K0H 1S0 (CA). TUDOR, Colin [CA/CA]; 242 Meadow Crest Road, Kingston, Ontario K7M 3S3 (CA).

(74) Agents: CLARIZIO, Dino, P. et al.; Dimock Stratton Clarizio, 20 Queen Street West, Suite 3202, Box 102, Toronto, Ontario M5H 3R3 (CA).

(81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/037916 A2

(54) Title: SCRATCH AND MAR RESISTANT SOFT ETHYLENE ELASTOMER COMPOSITIONS

(57) Abstract: A soft ethylene elastomer composition imparting improved scratch and mar resistance properties is provided wherein the composition comprises a soft ethylene elastomer component and an effective amount of a filler, preferably mica, a silicone and a compatibilizer to impart improved scratch and mar resistance properties of the composition while not significantly decreasing the softness of the composition or increasing the gloss of the composition.